C440BC

METON CYCLE

$$(19)(365.2422) = 6939.6018 \text{ days}$$
$$(235)_{mo}(29.530599) = 6939.690765$$
$$\left.\right\} \Delta = 0.088965$$

$\dagger$ cycles

$$(4)(19)(365.2422) = 27,758.4072 \text{ days}$$
$$(4)(235)(29.530599) = 27,758.76306$$

$$(19)(365.242216) = 6939.6021 \text{ days}$$
$$235 \, mo (29.530585) = 6939.687475$$
$$\left.\right\} \Delta = 0.085375$$

modern Jewish Cal. uses a form of this

440BC

PROTAGORAS of ABDERA, Sophist

C 440 BC
Meton was born 460 BC

Greek Cal.

MÉTON cycle. Meton was an
astronomer. He discovered that the
length of 19 years is very nearly
equal to that of 235 lunar
months (the difference being in
fact less than 1 day) and he
devised accordingly an arrangement
of 12 years of 12 mos and 7 of
13 months, 125 of the months

in this whole cycle being "full"
And the others "empty."

nearly a century later CALLIPPUS
made a slight improvement by
substituting in every 4th period
of 19 years a "full" month for
one of the "empty" ones.
This cycle spread to other parts of
Greece: was used to adjust the
actual calendar in Greek cities from time
to time

440 BC

Pissuthnes, Persian satrap of Sardes, helps Samian revolt against Athens.

440 BC

Revolt of Samos against Athens

"On nature" a philosophical
work by ANAXAGORAS (500-428BC)

3 speeches "On his Return," "on the
mysteries" "On the Peace"
by ANDOCIDES (about 440 BC)
the least of the 10 Attic Orators.

c 440 BC

TRIBUTES

Tributes in marble and limestone, gracefully columned temples rose throughout the Greek world. Most honored the Olympian gods — and demonstrated the grandeur of Greek architectural style

Ex. Temple of Hera, Paestum, Italy
5th cen. B.C.

Ezra's reconstruction: He transformed
the Hebrew religion from the original state
centered ① on the tent of the meeting, ② the Ark
of the Covenant ③ the sacrifice on the altar of
YAHVEH to a religion of the Book.

To be sure — the temple was rebuilt,
but the religious life of Judaism, in the
homeland as well as in the far-flung
diaspora, was the reading and study

of Israel's clan, the TORAH

440 BC

Judean law forbids marriage
between Jews and aliens